```
* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1           Web Page for STN Seminar Schedule - N. America
 NEWS  2  DEC 01   ChemPort single article sales feature unavailable
 NEWS  3  JUN 01   CAS REGISTRY Source of Registration (SR) searching
                   enhanced on STN
 NEWS  4  JUN 26   NUTRACEUT and PHARMAML no longer updated
 NEWS  5  JUN 29   IMSCOPROFILE now reloaded monthly
 NEWS  6  JUN 29   EPFULL adds Simultaneous Left and Right Truncation
                   (SLART) to AB, MCLM, and TI fields
 NEWS  7  JUL 09   PATDPAFULL adds Simultaneous Left and Right
                   Truncation (SLART) to AB, CLM, MCLM, and TI fields
 NEWS  8  JUL 14   USGENE enhances coverage of patent sequence location
                   (PSL) data
 NEWS  9  JUL 27   CA/CAplus enhanced with new citing references
 NEWS 10  JUL 16   GBFULL adds patent backfile data to 1855
 NEWS 11  JUL 21   USGENE adds bibliographic and sequence information
 NEWS 12  JUL 28   EPFULL adds first-page images and applicant-cited
                   references
 NEWS 13  JUL 28   INPADOCDB and INPAFAMDB add Russian legal status data
 NEWS 14  AUG 10   Time limit for inactive STN sessions doubles to 40
                   minutes
 NEWS 15  AUG 17   CAS REGISTRY, the Global Standard for Chemical
                   Research, Approaches 50 Millionth Registration
                   Milestone
 NEWS 16  AUG 18   COMPENDEX indexing changed for the Corporate Source
                   (CS) field
 NEWS 17  AUG 24   ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
 NEWS 18  AUG 24   CA/CAplus enhanced with legal status information for
                   U.S. patents

 NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
              AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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FILE 'HOME' ENTERED AT 12:47:31 ON 30 AUG 2009

=> fil reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.22       0.22

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STRUCTURE FILE UPDATES: 27 AUG 2009 HIGHEST RN 1176980-65-6
DICTIONARY FILE UPDATES: 27 AUG 2009 HIGHEST RN 1176980-65-6

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http://www.cas.org/support/stngen/stndoc/properties.html

```
=> e ethylene glycol/cn
E1            1     ETHYLENE FURFURYL ARSENITE/CN
E2            1     ETHYLENE GERMANATE(IV)/CN
E3            1 --> ETHYLENE GLYCOL/CN
E4            1     ETHYLENE GLYCOL (13C2H6O2)/CN
E5            1     ETHYLENE GLYCOL (2,4,5-TRICHLOROPHENOXY)ACETATE/CN
E6            1     ETHYLENE GLYCOL (2-CHLORO-4-AMINOPHENYL) ETHER SULFURIC ACID
                     ESTER/CN
E7            1     ETHYLENE GLYCOL (3-CHLORO-4-AMINOPHENYL) ETHER SULFURIC ACID
                     ESTERS/CN
E8            1     ETHYLENE GLYCOL (3-METHYL-4-AMINOPHENYL) ETHER SULFURIC ACID
                     ESTER/CN
E9            1     ETHYLENE GLYCOL .ALPHA.,.ALPHA.-DIHYDROPERFLUOROBUTYL ETHER/
                     CN
E10           1     ETHYLENE GLYCOL .ALPHA.,.ALPHA.-DIHYDROPERFLUOROOCTYL ETHER/
                     CN
E11           1     ETHYLENE GLYCOL .ALPHA.-D-GLUCOPYRANOSIDE/CN
E12           1     ETHYLENE GLYCOL 1,1,7-TRIHYDROPERFLUOROHEPTYL ETHER/CN

=> s e3
L1            1 "ETHYLENE GLYCOL"/CN

=> e diethylene glycol/cn
E1            1     DIETHYLENE GLYCOBIS(ALLYL CARBONATE)-1,3,5-TRIS(2-CARBOALLYL
                     OXYETHYL)ISOCYANURATE POLYMER/CN
E2            1     DIETHYLENE GLYCODIOLEATE/CN
E3            1 --> DIETHYLENE GLYCOL/CN
E4            1     DIETHYLENE GLYCOL (4-HYDROXY-3,5-DI-TERT-BUTYLBENZOATE) METH
                     ACRYLATE/CN
E5            1     DIETHYLENE GLYCOL (4-HYDROXY-3,5-DI-TERT-BUTYLBENZOATE) METH
                     ACRYLATE-TRIMETHYLENE GLYCOL (4-HYDROXY-3-ISOPROPYL-5-METHYL
                     BENZOATE) METHACRYLATE COPOLYMER/CN
E6            1     DIETHYLENE GLYCOL (4-HYDROXY-3,5-DI-TERT-BUTYLBENZOATE)METHA
                     CRYLATE POLYMER/CN
E7            1     DIETHYLENE GLYCOL .BETA.,.BETA.-DICHLOROVINYL PHOSPHATE POLY
                     MER, SRU/CN
E8            1     DIETHYLENE GLYCOL .BETA.-AMINOCROTONATE/CN
E9            1     DIETHYLENE GLYCOL .OMEGA.-CHLOROVALERATE/CN
E10           1     DIETHYLENE GLYCOL 2,2-DIFLUORO-2-NITROETHYL ETHER/CN
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E11             1      DIETHYLENE GLYCOL 2,3-DIHYDROXYPROPYL METHYL ETHER/CN
E12             1      DIETHYLENE GLYCOL 2,3-EPOXYPROPYL 2',3'-EPOXY-2'-METHYLPROPY
                       L ETHER-DIETHYLENE GLYCOL GLYCIDYL PROPYL ETHER-ETHYLENE OXI
                       DE GRAFT COPOLYMER/CN

=> s e3
L2              1 "DIETHYLENE GLYCOL"/CN

=> e polyethylene glycol/cn
E1              1      POLYETHYLENE FIBERS/CN
E2              1      POLYETHYLENE FIBERS, ETHYLENE-PROPENE/CN
E3              1 --> POLYETHYLENE GLYCOL/CN
E4              1      POLYETHYLENE GLYCOL (1-AZIRIDINYL)ETHYL ETHER/CN
E5              1      POLYETHYLENE GLYCOL (2:1) ETHER WITH GLYCEROL OCTADECYL MONO
                       ETHER/CN
E6              1      POLYETHYLENE GLYCOL (2:1) ETHER WITH GLYCEROL TETRADECYL MON
                       OETHER/CN
E7              1      POLYETHYLENE GLYCOL (4-VINYLPHENYL)METHYL ETHER-STYRENE GRAF
                       T COPOLYMER/CN
E8              1      POLYETHYLENE GLYCOL (400) ESTERS OF COCONUT OIL FATTY ACIDS/
                       CN
E9              1      POLYETHYLENE GLYCOL (DODECYLIMINO)DIETHYL ETHER (2:1)/CN
E10             1      POLYETHYLENE GLYCOL (METHYLIMINO)DIETHYL ETHER (2:1)/CN
E11             1      POLYETHYLENE GLYCOL (METHYLOCTADECYLIMINIO)DIETHYL ETHER CHL
                       ORIDE/CN
E12             1      POLYETHYLENE GLYCOL (PENTAERYTHRITOL DIOLEATE) ETHER DISULFA
                       TE TRIETHANOLAMINE SALT/CN

=> s e3
L3              1 "POLYETHYLENE GLYCOL"/CN

=> e propylene glycol/cn
E1              1      PROPYLENE FUMARATE POLYMER/CN
E2              1      PROPYLENE FUMARATE-PROPYLENE ISOPHTHALATE COPOLYMER/CN
E3              1 --> PROPYLENE GLYCOL/CN
E4              1      PROPYLENE GLYCOL (2-CHLORO-4-AMINOPHENYL) ETHER SULFURIC ACI
                       D ESTER/CN
E5              1      PROPYLENE GLYCOL .BETA.-MONOETHYL ETHER/CN
E6              1      PROPYLENE GLYCOL 1,2,3-PROPANETRIYL ETHER-TOLUENE DIISOCYANA
                       TE POLYMER/CN
E7              1      PROPYLENE GLYCOL 1,2-DIPROPIONATE/CN
E8              1      PROPYLENE GLYCOL 1,3-DITOSYLATE/CN
E9              1      PROPYLENE GLYCOL 1-(TERT-BUTYL ETHER)/CN
E10             1      PROPYLENE GLYCOL 1-BEHENATE/CN
E11             1      PROPYLENE GLYCOL 1-METHYL ETHER/CN
E12             1      PROPYLENE GLYCOL 1-METHYL ETHER 2-ACETATE/CN

=> s l3
L4              1 "POLYETHYLENE GLYCOL"/CN

=> e dipropylene glycol/cn
E1              1      DIPROPYLDOPAMINE/CN
E2              1      DIPROPYLENE CARBONATE/CN
E3              1 --> DIPROPYLENE GLYCOL/CN
E4              1      DIPROPYLENE GLYCOL .ALPHA.-METHYL-.BETA.,.BETA.-DICHLOROVINY
                       L PHOSPHATE POLYMER/CN
E5              1      DIPROPYLENE GLYCOL .ALPHA.-METHYL-.BETA.,.BETA.-DICHLOROVINY
                       L PHOSPHATE POLYMER, SRU/CN
E6              1      DIPROPYLENE GLYCOL .BETA.,.BETA.-DIBROMOVINYL PHOSPHATE POLY
                       MER/CN
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E7            1     DIPROPYLENE GLYCOL .BETA.,.BETA.-DIBROMOVINYL PHOSPHATE POLY
                    MER, SRU/CN
E8            1     DIPROPYLENE GLYCOL 5,5,6,6,6-PENTAFLUOROHEXYL ETHER SODIUM S
                    ULFATE/CN
E9            1     DIPROPYLENE GLYCOL ACETATE BENZOATE/CN
E10           1     DIPROPYLENE GLYCOL BENZOATE/CN
E11           1     DIPROPYLENE GLYCOL BIS((6-AMINOHEXYL)CARBAMATE)/CN
E12           1     DIPROPYLENE GLYCOL BIS(2-CHLOROPROPYL) PHOSPHITE/CN

=> s e3
L5            1 "DIPROPYLENE GLYCOL"/CN

=> fil caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      27.71      27.93

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FILE COVERS 1907 - 30 Aug 2009  VOL 151 ISS 10
FILE LAST UPDATED: 28 Aug 2009  (20090828/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Jun 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Jun 2009

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reclassification data for the third quarter of 2009.

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of databases have been updated to include new citing references
information.  This enhancement may impact record import into
database management software.  For additional information, refer
to NEWS 9.

=> s l1 or l2 or l3 or l4 or l5
         58223 L1
         16192 L2
        119366 L3
        119366 L4
          4702 L5
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L6      182585 L1 OR L2 OR L3 OR L4 OR L5

=> s l6 and steril?
        128272 STERIL?
L7        1331 L6 AND STERIL?

=> s l7 and indicator
        177611 INDICATOR
         94796 INDICATORS
        247067 INDICATOR
                  (INDICATOR OR INDICATORS)
L8          25 L7 AND INDICATOR

=> d l-10 ti

L8   ANSWER 1 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
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```
TI   Pathogen detection in large-volume particulate samples

L8   ANSWER 2 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
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TI   Color change surgical prep solution

L8   ANSWER 3 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
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TI   Biological indicator, and its production method

L8   ANSWER 4 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
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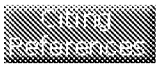
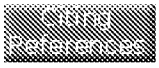
```
TI   Hypohalite-peroxide binary compositions and methods for sterilization
     and disinfection of surfaces and solutions, and production of potable
     water

L8   ANSWER 5 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
```



```
TI   Indicator for plasma sterilization and packaging material for
     sterilization

L8   ANSWER 6 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
```



```
TI   Indicator for plasma sterilization and packaging material for
     sterilization

L8   ANSWER 7 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
```

```
TI   Assay for autoantibodies to folate receptors

L8   ANSWER 8 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
```

```
TI   Development of culture medium formulated for diagnosis of bacterial and
     fungal infection in human buccal cavity

L8   ANSWER 9 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
```

Citing References

TI Sensor for oxidizing agents

L8 ANSWER 10 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Citing References

TI Machine readable **sterilization indicator** for monitoring articles to be **sterilized**

=> d 5, 6, 9, 10 18

L8 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Citing References

AN 2004:907085 CAPLUS
DN 141:370660
TI **Indicator** for plasma **sterilization** and packaging material for **sterilization**
IN Sudo, Sadako; Sugiyama, Hiroko; Hayashi, Masufumi
PA Fujimori Industry Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004298479	A	20041028	JP 2003-96740	20030331
	JP 4111855	B2	20080702		
PRAI	JP 2003-96740		20030331		

L8 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Citing References

AN 2004:857450 CAPLUS
DN 141:337881
TI **Indicator** for plasma **sterilization** and packaging material for **sterilization**
IN Sutoh, Teiko; Sugiyama, Hiroko; Hayashi, Masushi
PA Fujimori Kogyo Co., Ltd., Japan
SO PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087222	A1	20041014	WO 2003-JP4129	20030331

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

	AU 2003221061	A1	20041025	AU 2003-221061	20030331
	EP 1609488	A1	20051228	EP 2003-715678	20030331
	EP 1609488	B1	20080528		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1758926	A	20060412	CN 2003-826257	20030331
	AT 396749	T	20080615	AT 2003-715678	20030331
PRAI	WO 2003-JP4129	A	20030331		

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Citing References

AN 2003:202909 CAPLUS
DN 138:239964
TI Sensor for oxidizing agents
IN Mills, Andrew; Lee, Soo-keun
PA University of Strathclyde, UK
SO PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003021252	A1	20030313	WO 2002-GB3994	20020902
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002313564	A1	20030318	AU 2002-313564	20020902
	EP 1423692	A1	20040602	EP 2002-753159	20020902
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	JP 2005502047	T	20050120	JP 2003-525284	20020902
	US 20040258562	A1	20041223	US 2004-487761	20040812
PRAI	GB 2001-21444	A	20010905		
	WO 2002-GB3994	W	20020902		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 10 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Citing References

AN 2002:921810 CAPLUS
DN 137:365946
TI Machine readable **sterilization indicator** for monitoring articles to be **sterilized**
IN Kirckof, Steven S.
PA 3M Innovative Properties Company, USA
SO U.S., 47 pp.

CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6488890	B1	20021203	US 1999-368742	19990805
	JP 2003506153	T	20030218	JP 2001-514988	20000705
PRAI	US 1999-368742	A	19990805		
	WO 2000-US18354	W	20000705		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
RE.CNT 126 THERE ARE 126 CITED REFERENCES AVAILABLE FOR THIS RECORD
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=> d 5, 6, 9, 10 18 kwic

L8 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

TI **Indicator** for plasma **sterilization** and packaging material for **sterilization**

AB The invention relates to an **indicator** for plasma **sterilization**, suitable for use in a paper or nonwoven fabric packaging material for plasma **sterilization**, wherein the **indicator** contains (1) an adsorption **indicator** and/or chelatometric titrn. metal **indicator**, (2) organometal compd., and (3) polyhydric alc. An **indicator** compn. contg. hematoxylin 1.2, diisopropoxybis(acetylacetonato)titanium 2, polyethylene glycol 3.6, varnish (NT-Vestanis) 72.5, ethanol 18, and UV absorber (Tinuvin 400) 3%. . .

ST plasma **sterilization indicator** packaging material; hematoxylin titanium chelating agent polyalc plasma **sterilization indicator**

IT Polyolefin fibers
RL: FFD (Food or feed use); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(ethylene; **indicators** for plasma **sterilization** contg. **indicator** components, chelating agents, and polyhydric alcs. for packaging materials)

IT Chelating agents
Indicators
Nonwoven fabrics
Packaging materials
Paper
Plasma
Sterilization and Disinfection
(**indicators** for plasma **sterilization** contg. **indicator** components, chelating agents, and polyhydric alcs. for packaging materials)

IT Polyoxyalkylenes, biological studies
RL: ARU (Analytical role, unclassified); FFD (Food or feed use); TEM (Technical or engineered material use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(**indicators** for plasma **sterilization** contg. **indicator** components, chelating agents, and polyhydric alcs. for packaging materials)

IT Alcohols, biological studies
RL: ARU (Analytical role, unclassified); FFD (Food or feed use); TEM (Technical or engineered material use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(polyhydric; **indicators** for plasma **sterilization** contg. **indicator** components, chelating agents, and polyhydric alcs. for packaging materials)

IT 57-55-6, Propylene glycol, biological studies 85-85-8, 1-(2-Pyridylazo)-2-naphthol 107-21-1, Ethylene glycol, biological studies 111-46-6, Diethylene glycol, biological studies 517-28-2, Hematoxylin 1611-35-4, Xylenol orange 1667-99-8, Mordant blue 29 1787-61-7, Eriochrome black T 7429-90-5D, Aluminum, chelating compds. 7440-67-7D, Zirconium, chelating compds. 17927-72-9, Diisopropoxybis(acetylacetonato)titanium 25265-71-8, Dipropylene glycol 25322-68-3, Polyethylene glycol
RL: ARU (Analytical role, unclassified); FFD (Food or feed use); TEM (Technical or engineered material use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(**indicators** for plasma **sterilization** contg. **indicator** components, chelating agents, and polyhydric alcs. for packaging materials)

L8 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Click Patentees

TI **Indicator** for plasma **sterilization** and packaging material for **sterilization**

AB Disclosed are an **indicator** for **sterilization** comprising an indication chem. which is useful in plasma **sterilization** with the use of hydrogen peroxide; and a packaging material for **sterilization** which has an indication unit comprising the above **indicator** for **sterilization** and in which a substance to be subjected to a plasma **sterilization** treatment is packaged. The above-described **indicator** for **sterilization** contains (A) one or more compds. selected from the group consisting of adsorption indication chems. and chelate titrn./metal indication chems.. . . irreversible color change at a high speed. Thus, it enables definite judgment whether or not a subject has been plasma **sterilized** and, therefore, is useful as an **indicator** for plasma **sterilization**. By further adding (C) a polyhydric alc. to the **indicator**, the color change speed can be elevated and well controlled, thereby giving favorable indication performance. The above-described packaging material for **sterilization** is a packaging material which has a part made of a gas-permeable paper or nonwoven fabric and in which a substance to be subjected to a plasma **sterilization** treatment is packaged. Since the above-described **indicator** for **sterilization** is employed in the indication unit of this packaging material, it can be definitely judged whether or not a subject has been plasma **sterilized** without affecting the **sterilization** performance. A compn. contg. hematoxylin 1, diisopropoxybis(acetylacetonato)titanium 1, varnish 80.5, methanol 15, and UV-absorber (Tinuvin 400) 2.5 % was formulated,. . .

ST plasma **sterilization indicator** packaging material; hematoxylin titanium chelating compd plasma **sterilization indicator**

IT Polyolefin fibers
RL: ARU (Analytical role, unclassified); NUU (Other use, unclassified); ANST (Analytical study); USES (Uses)
(ethylene; **indicator** contg. indicating agents and org. metal compds. for plasma **sterilization** and packaging material for **sterilization**)

IT Chelating agents
Indicators
Nonwoven fabrics
Packaging materials
Paper
Plasma

Sterilization and Disinfection
(**indicator** contg. indicating agents and org. metal compds. for plasma **sterilization** and packaging material for **sterilization**)

IT Polyoxyalkylenes, analysis
RL: ARU (Analytical role, unclassified); NUU (Other use, unclassified); ANST (Analytical study); USES (Uses)
(**indicator** contg. indicating agents, org. metal compds., and polyalcs. for plasma **sterilization** and packaging material for **sterilization**)

IT Alcohols, analysis
RL: ARU (Analytical role, unclassified); NUU (Other use, unclassified); ANST (Analytical study); USES (Uses)
(polyhydric; **indicator** contg. indicating agents, org. metal compds., and polyalcs. for plasma **sterilization** and packaging material for **sterilization**)

IT 85-85-8, PAN 115-40-2, Bromocresol purple 143-74-8, Phenol red 493-52-7, Methyl red 517-28-2, Hematoxylin 573-58-0, Congo Red 1611-35-4, Xylenol orange 1667-99-8, Mordant blue 29 1787-61-7, Eriochrome Black T 14782-75-3, Aluminum ethyl acetoacetate diisopropylate 17927-72-9, Diisopropoxybis(acetylacetonato)titanium 67577-42-8, Bromocresol blue
RL: ARU (Analytical role, unclassified); NUU (Other use, unclassified); ANST (Analytical study); USES (Uses)
(**indicator** contg. indicating agents and org. metal compds. for plasma **sterilization** and packaging material for **sterilization**)

IT 7722-84-1, Hydrogen peroxide, uses
RL: NUU (Other use, unclassified); USES (Uses)
(**indicator** contg. indicating agents and org. metal compds. for plasma **sterilization** and packaging material for **sterilization**)

IT 57-55-6, Propylene glycol, analysis **107-21-1**, Ethylene glycol, analysis **111-46-6**, Diethylene glycol, analysis **25265-71-8**, Dipropylene glycol **25322-68-3**, Polyethylene glycol
RL: ARU (Analytical role, unclassified); NUU (Other use, unclassified); ANST (Analytical study); USES (Uses)
(**indicator** contg. indicating agents, org. metal compds., and polyalcs. for plasma **sterilization** and packaging material for **sterilization**)

L8 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

AB The irreversible **indicator** for detecting oxidizing agents such as oxygen comprises at least one redox-sensitive dye, at least one semiconductor material and at least one electron donor. This **indicator** is activated by exposure to light of ~200-400 nm. The invention also relates to a UV light detector. The sensor. . . to prolong the useful life of many oxygen-sensitive items (e.g., food, beverages, works of art, pharmaceuticals, medical diagnostic kits and **sterilized** packages).

IT 9004-35-7, Cellulose acetate 9004-57-3, Ethyl cellulose 9004-62-0, Hydroxyethyl cellulose 9011-14-7, Polymethyl methacrylate 24968-97-6, Polypyrrolidone **25322-68-3**, Polyethylene oxide
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(binder; irreversible dye-based sensor for oxygen and oxidants for use in modified atm. packaging)

L8 ANSWER 10 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Cited References

TI Machine readable **sterilization indicator** for monitoring articles to be **sterilized**

AB A **sterilization indicator** having **sterilizing** agent sensitive indicia is described. The **indicator** allows a **sterilization** cycle to be monitored without the need for a user to subjectively distinguish between color, quality or intensity of display. . .

ST machine readable **sterilization indicator** monitoring article **sterilized**

IT **Sterilization** and Disinfection
(app.; machine readable **sterilization indicator** for monitoring articles to be **sterilized**)

IT Computer program
Electric circuits
Process automation
Process control
Sensors
Sterilization and Disinfection
(machine readable **sterilization indicator** for monitoring articles to be **sterilized**)

IT Polyoxyalkylenes, analysis
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(machine readable **sterilization indicator** for monitoring articles to be **sterilized**)

IT 3244-88-0, Acid fuschin sodium salt
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(acid fuschin sodium salt; machine readable **sterilization indicator** for monitoring articles to be **sterilized**)

IT 64-17-5, Ethyl alcohol, analysis 67-63-0, 2-Propanol, analysis **107-21-1**, Ethylene glycol, analysis **111-46-6**, Diethylene glycol, analysis 139-33-3, Disodium ethylene diamine tetraacetate 546-93-0, Magnesium carbonate 554-13-2, Lithium carbonate 598-63-0, Lead carbonate 1762-95-4, Ammonium thiocyanate 7492-68-4, Copper carbonate 7704-34-9, Sulfur, analysis 7722-84-1, Hydrogen peroxide, analysis 9004-57-3, Ethyl cellulose 13478-93-8, Nickel dimethylglyoxime **25322-68-3**, Polyethylene glycol 87831-33-2, Ethyl Red 325775-15-3, Rhoplex I 545
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(machine readable **sterilization indicator** for monitoring articles to be **sterilized**)

IT 325774-99-0, Zephyrset K 6544D
RL: TEM (Technical or engineered material use); USES (Uses)
(machine readable **sterilization indicator** for monitoring articles to be **sterilized**)

=> d 5, 6, 9, 10 18 ibib

L8 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Cited References

ACCESSION NUMBER: 2004:907085 CAPLUS
DOCUMENT NUMBER: 141:370660
TITLE: **Indicator** for plasma **sterilization** and packaging material for **sterilization**
INVENTOR(S): Sudo, Sadako; Sugiyama, Hiroko; Hayashi, Masufumi
PATENT ASSIGNEE(S): Fujimori Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004298479	A	20041028	JP 2003-96740	20030331
JP 4111855	B2	20080702		
PRIORITY APPLN. INFO.:			JP 2003-96740	20030331

L8 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Cited References

ACCESSION NUMBER: 2004:857450 CAPLUS
DOCUMENT NUMBER: 141:337881
TITLE: **Indicator** for plasma **sterilization** and packaging material for **sterilization**
INVENTOR(S): Sutoh, Teiko; Sugiyama, Hiroko; Hayashi, Masushi
PATENT ASSIGNEE(S): Fujimori Kogyo Co., Ltd., Japan
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087222	A1	20041014	WO 2003-JP4129	20030331
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003221061	A1	20041025	AU 2003-221061	20030331
EP 1609488	A1	20051228	EP 2003-715678	20030331
EP 1609488	B1	20080528		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1758926	A	20060412	CN 2003-826257	20030331
AT 396749	T	20080615	AT 2003-715678	20030331
PRIORITY APPLN. INFO.:			WO 2003-JP4129 A	20030331

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Cited References

ACCESSION NUMBER: 2003:202909 CAPLUS
DOCUMENT NUMBER: 138:239964
TITLE: Sensor for oxidizing agents
INVENTOR(S): Mills, Andrew; Lee, Soo-keun
PATENT ASSIGNEE(S): University of Strathclyde, UK
SOURCE: PCT Int. Appl., 49 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003021252	A1	20030313	WO 2002-GB3994	20020902
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002313564	A1	20030318	AU 2002-313564	20020902
EP 1423692	A1	20040602	EP 2002-753159	20020902
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2005502047	T	20050120	JP 2003-525284	20020902
US 20040258562	A1	20041223	US 2004-487761	20040812
PRIORITY APPLN. INFO.:			GB 2001-21444 A	20010905
			WO 2002-GB3994 W	20020902

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 10 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Citing References

ACCESSION NUMBER: 2002:921810 CAPLUS
DOCUMENT NUMBER: 137:365946
TITLE: Machine readable **sterilization indicator** for monitoring articles to be **sterilized**
INVENTOR(S): Kirckof, Steven S.
PATENT ASSIGNEE(S): 3M Innovative Properties Company, USA
SOURCE: U.S., 47 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6488890	B1	20021203	US 1999-368742	19990805
JP 2003506153	T	20030218	JP 2001-514988	20000705
PRIORITY APPLN. INFO.:			US 1999-368742 A	19990805
			WO 2000-US18354 W	20000705

OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
REFERENCE COUNT: 126 THERE ARE 126 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> d l1-20 ti

L8   ANSWER 11 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
Citing References
TI   Electronic system for tracking and monitoring articles to be sterilized
     and associated method

L8   ANSWER 12 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
Citing References
TI   Method of using a chemical indicator

L8   ANSWER 13 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
Citing References
TI   Measurement of indocyanine green dye is improved by use of polyethylene
     glycol to reduce plasma turbidity

L8   ANSWER 14 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
Citing References
TI   Chemical indicator reader for monitoring sterilization

L8   ANSWER 15 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
Citing References
TI   Customized sterilization indicators and inks printable at point of use

L8   ANSWER 16 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
Citing References
TI   Formulation development and antitumor activity of a filter-sterilizable
     emulsion of paclitaxel

L8   ANSWER 17 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
Citing References
TI   Interlaboratory validation of the in vitro eye irritation tests for
     cosmetic ingredients. 6. Evaluation of MATREX

L8   ANSWER 18 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
Citing References
TI   Method of obtaining a thermosensitive indicator for monitoring dry heat
     sterilization processes

L8   ANSWER 19 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
Citing References
TI   Repulpable pressure sensitive adhesive tape and improvement in tack and
     adhesion

L8   ANSWER 20 OF 25  CAPLUS  COPYRIGHT 2009 ACS on STN
Citing References
TI   Ethylene oxide sterilization of allogenic bone implants


=> d l2-15, 18 kwic
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L8 ANSWER 12 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Click to References

TI Method of using a chemical **indicator**

AB A **sterilization indicator** having **sterilizing** agent sensitive indicia is described. The **indicator** allows a **sterilization** cycle to be monitored without the need for a user to subjectively distinguish between color, quality or intensity of display. . .

ST chem **indicator sterilization**

IT Shellac
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(bleached; method of using chem. **indicator**)

IT **Sterilization** and Disinfection
(chem. **indicator** for **sterilization**)

IT Process control
Sensors
(method of using chem. **indicator**)

IT Polyoxyalkylenes, analysis
Polyoxyalkylenes, analysis
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(method of using chem. **indicator**)

IT 598-63-0, Lead carbonate
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(Halstab white lead A; method of using chem. **indicator**)

IT 64-17-5, Ethyl alcohol, analysis 67-63-0, Isopropyl alcohol, analysis **107-21-1**, Ethylene glycol, analysis **111-46-6**, Diethylene glycol, analysis 139-33-3, Disodium EDTA 546-93-0, Magnesium carbonate 554-13-2, Lithium carbonate 1762-95-4, Ammonium thiocyanate 3244-88-0, Acid fuschin sodium salt 7492-68-4, Copper carbonate 7704-34-9, Sulfur, analysis 7722-84-1, Hydrogen peroxide, analysis 9004-57-3, Ethylcellulose 13478-93-8, Nickel dimethylglyoxime **25322-68-3**, PEG 200 325775-15-3, Rhoplex I-545
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(method of using chem. **indicator**)

IT 325774-99-0, Zephyrset K-6544D
RL: ARU (Analytical role, unclassified); TEM (Technical or engineered material use); ANST (Analytical study); USES (Uses)
(method of using chem. **indicator**)

L8 ANSWER 13 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Click to References

AB Indocyanine Green (ICG; CardioGreenρ; Akorn Inc.) is a **sterile**, water-sol. dye that is used clin. as a diln. **indicator** for studies involving the heart, liver, lungs, and circulation. When ICG is infused i.v. into the bloodstream, it rapidly binds. . .

IT **25322-68-3**, Polyethylene glycol
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(indocyanine green dye is improved by use of polyethylene glycol to reduce plasma turbidity)

L8 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Click to References

TI Chemical **indicator** reader for monitoring **sterilization**

AB A reader for a **sterilization indicator** having **sterilizing** agent sensitive indicia is described. The **indicator** allows a **sterilization** cycle to be monitored without the need for a user to subjectively distinguish between color, quality or intensity of display. . .

ST **sterilization** monitoring chem **indicator** reader

IT **Sterilization** and Disinfection
(app.; chem. **indicator** reader for monitoring **sterilization**)
IT Process control
Sensors
Sterilization and Disinfection
(chem. **indicator** reader for monitoring **sterilization**)
IT Polyoxyalkylenes, analysis
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(chem. **indicator** reader for monitoring **sterilization**)
IT 3244-88-0, Acid fuschin sodium salt
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(acid fuschin sodium salt; chem. **indicator** reader for monitoring **sterilization**)
IT 64-17-5, Ethyl alcohol, analysis 67-63-0, 2-Propanol, analysis 76-59-5, Bromothymol blue 76-60-8, Bromocresol green 76-61-9, Thymol blue **107-21-1**, Ethylene glycol, analysis 108-39-4, analysis **111-46-6**, Diethylene glycol, analysis 115-39-9, Bromophenol blue 115-40-2, Bromocresol purple 139-33-3, Disodium ethylene diamine tetraacetate 546-93-0, Magnesium carbonate 554-13-2, Lithium carbonate 598-63-0, Lead carbonate 1733-12-6, Cresol red 1762-95-4, Ammonium thiocyanate 7492-68-4, Copper carbonate 7704-34-9, Sulfur, analysis 7722-84-1, Hydrogen peroxide, analysis 9004-57-3, Ethyl cellulose 13478-93-8, Nickel dimethylglyoxime **25322-68-3**, Polyethylene glycol 87831-33-2, Ethyl Red 325775-15-3, Rhoplex I 545 325954-69-6, DB 892
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(chem. **indicator** reader for monitoring **sterilization**)
IT 325774-99-0, Zephyrset K 6544D
RL: TEM (Technical or engineered material use); USES (Uses)
(chem. **indicator** reader for monitoring **sterilization**)

L8 ANSWER 15 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

TI Customized **sterilization indicators** and inks printable at point of use
AB A print on demand **sterilization indicator** having **sterilizing** agent sensitive indicia is described. The **indicator** allows a **sterilization** cycle to be monitored without the need for a user to subjectively distinguish between color, quality or intensity of display patterns. The present invention comprises a **sterilization indicator** and monitoring method that affords the user the ability to: (a) acquire, store and use **sterilization** monitoring information quickly and cost effectively without the delay, cost and inaccuracy assocd. with prior art **sterilization indicators**, (b) reduce **sterile** products inventory hold time, increase the accuracy of information storage and provide higher levels of accuracy in data management, (c) possess a unified, integrated **sterility** assurance and inventory management system, (d) minimize the potential for human error in a system for monitoring the **sterilization** of articles, and (e) customize **sterilization** assurance information for site specific needs. In one aspect, the present invention comprises a system for creating a chem. **indicator** for monitoring a **sterilization** process. The system comprises a graphical user interface for exchanging information between a user and computer means. The computer means of the present invention comprises storage means for storing information relating to at least two types of **sterilization** procedures, at least two

different types of **sterilization** sensitive indicating inks corresponding to the **sterilization** procedures, and at least one pattern for printing the inks. The graphical user interface including means for selecting from information stored in the storage means; and printing means for printing the chem. **indicator** on a backing. In another aspect of the present invention, the present invention comprises a method of providing a **sterility** assurance process at a health-care facility comprising the steps of: (1) providing options for the components of a **sterilization indicator**; (2) choosing from among the options; and (3) then printing the **sterilization indicator** at the health-care facility.

ST **sterilization** disinfection **indicator** ink printer reader quality

IT **Sterilization** and Disinfection
(app.; customized **sterilization indicators** and inks printable at point of use)

IT Bar code labels
Colorimetric **indicators**
Computers
Graphic arts
Ink-jet printers
Ink-jet printing
Printing (impact)
Printing (nonimpact)
Quality control
Spectrophotometry
Sterilization and Disinfection
(customized **sterilization indicators** and inks printable at point of use)

IT Polyoxyalkylenes, analysis
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(customized **sterilization indicators** and inks printable at point of use)

IT Inks
(**indicator** inks, ink jet cartridge; customized **sterilization indicators** and inks printable at point of use)

IT Printing apparatus
(ink jet cartridge; customized **sterilization indicators** and inks printable at point of use)

IT Inks
(jet-printing, **sterilization** sensitive; customized **sterilization indicators** and inks printable at point of use)

IT **Indicators**
Inks
(**sterilization** sensitive; customized **sterilization indicators** and inks printable at point of use)

IT Information systems
(storage; customized **sterilization indicators** and inks printable at point of use)

IT 139-33-3 546-93-0, Magnesium carbonate 554-13-2, Lithium carbonate 598-63-0, Lead carbonate 1762-95-4, Ammonium thiocyanate 3244-88-0 7492-68-4, Copper carbonate 7704-34-9, Sulfur, analysis 13478-93-8, Nickel dimethylglyoxime **25322-68-3**, Peg
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(customized **sterilization indicators** and inks printable at point of use)

IT 75-21-8, Ethylene oxide, biological studies 79-21-0, Peracetic acid 7722-84-1, Hydrogen peroxide, biological studies
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(customized **sterilization indicators** and inks printable at point of use)

IT 7732-18-5, Water, biological studies
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(steam; customized **sterilization indicators** and inks printable at point of use)

L8 ANSWER 18 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Citing References

TI Method of obtaining a thermosensitive **indicator** for monitoring dry heat **sterilization** processes

AB **Indicator** solns. for monitoring dry heat **sterilization** are obtained by mixing different proportions of the following three solns.: sodium hydroxide or potassium hydroxide in ethylene glycol or. . .

ST dry heat **sterilization** thermosensitive **indicator**

IT **Sterilization** and Disinfection
(method of obtaining a thermosensitive **indicator** for monitoring dry heat **sterilization** processes)

IT 56-81-5, Glycerol, uses 61-73-4, Methylene blue **107-21-1**, Ethylene glycol, uses 118-91-2, 2-Chlorobenzoic acid 1310-58-3, Potassium hydroxide, uses 1310-73-2, Sodium hydroxide, uses
RL: NUU (Other use, unclassified); USES (Uses)
(method of obtaining a thermosensitive **indicator** for monitoring dry heat **sterilization** processes)

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L8 ANSWER 15 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Citing References

ACCESSION NUMBER: 2001:115011 CAPLUS
DOCUMENT NUMBER: 134:159892
TITLE: Customized **sterilization indicators** and inks printable at point of use
INVENTOR(S): Hehenberger, Rodney K.; Ignacio, Ramon T.
PATENT ASSIGNEE(S): 3M Innovative Properties Company, USA
SOURCE: PCT Int. Appl., 88 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001010473	A1	20010215	WO 2000-US18360	20000705
W: JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1200136	A1	20020502	EP 2000-943388	20000705
EP 1200136	B1	20080507		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
JP 2003506154	T	20030218	JP 2001-514989	20000705

PRIORITY APPLN. INFO.: US 1999-369108 A 19990805
WO 2000-US18360 W 20000705

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD

(1 CITINGS)
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 18 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Citing References

ACCESSION NUMBER: 1995:997491 CAPLUS
DOCUMENT NUMBER: 124:66692
ORIGINAL REFERENCE NO.: 124:12321a,12324a
TITLE: Method of obtaining a thermosensitive **indicator** for monitoring dry heat **sterilization** processes
INVENTOR(S): Kalczynski, Tadeusz
PATENT ASSIGNEE(S): Pol.
SOURCE: Pol., 3 pp.
CODEN: POXXA7
DOCUMENT TYPE: Patent
LANGUAGE: Polish
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PL 167254	B1	19950831	PL 1992-294830	19920609
PRIORITY APPLN. INFO.:			PL 1992-294830	19920609

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L8 ANSWER 18 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Citing References

AN 1995:997491 CAPLUS
DN 124:66692
OREF 124:12321a,12324a
ED Entered STN: 22 Dec 1995
TI Method of obtaining a thermosensitive **indicator** for monitoring dry heat **sterilization** processes
IN Kalczynski, Tadeusz
PA Pol.
SO Pol., 3 pp.
CODEN: POXXA7
DT Patent
LA Polish
IC ICM G01N031-22
ICS G01N033-00
CC 63-8 (Pharmaceuticals)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	PL 167254	B1	19950831	PL 1992-294830	19920609
PRAI	PL 1992-294830		19920609		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
PL 167254	ICM	G01N031-22
	ICS	G01N033-00
	IPCI	G01N0031-22 [ICM,6]; G01N0033-00 [ICS,6]
	IPCR	G01N0031-22 [I,C*]; G01N0031-22 [I,A]; G01N0033-00 [I,C*]; G01N0033-00 [I,A]

AB **Indicator** solns. for monitoring dry heat **sterilization** are obtained by mixing different proportions of the following three solns.: sodium hydroxide or potassium hydroxide in ethylene glycol or glycerol, 2-chlorobenzoic acid in glycol or glycerol, methylene blue in glycol or glycerol.
ST dry heat **sterilization** thermosensitive **indicator**
IT **Sterilization** and Disinfection
(method of obtaining a thermosensitive **indicator** for monitoring dry heat **sterilization** processes)
IT 56-81-5, Glycerol, uses 61-73-4, Methylene blue **107-21-1**, Ethylene glycol, uses 118-91-2, 2-Chlorobenzoic acid 1310-58-3, Potassium hydroxide, uses 1310-73-2, Sodium hydroxide, uses
RL: NUU (Other use, unclassified); USES (Uses)
(method of obtaining a thermosensitive **indicator** for monitoring dry heat **sterilization** processes)

=> d 21-25 ti

L8 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN
Citing References
TI **Indicator** inks for **sterilization** by ethylene oxide

L8 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN
Citing References
TI **Sterilization** by gases at low temperature

L8 ANSWER 23 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN
Citing References
TI Antimicrobial heat treatment of nonaqueous, hydrophilic solutions

L8 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN
Citing References
TI Ethylene oxide **sterilization indicator**

L8 ANSWER 25 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN
Citing References
TI Radiation dosimeters

=> d 21, 22, 24, 25 ti,kwic

L8 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN
Citing References
TI **Indicator** inks for **sterilization** by ethylene oxide
TI **Indicator** inks for **sterilization** by ethylene oxide
AB . . . printed on paper and exposed to air contg. 500 mg/L ethylene oxide at 50° for 2 h (conditions for conventional **sterilization**). The ink turned green, the color being more intense in moist air.
ST ethylene oxide **sterilization indicator**; azo dye **indicator sterilization**; acrylic acid copolymer ink; benzothiazole deriv **indicator** ink; ink **indicator sterilization** oxirane; methacrylic acid copolymer ink
IT **Sterilization** and Disinfection

(by ethylene oxide, **indicator** inks for)
IT **Indicators**
(for **sterilization**, by ethylene oxide, colored inks as)
IT Inks
(**indicator**, **sterilization**-sensitive, for ethylene oxide, contg. poly[(meth)acrylic acid] and (benzo)thiazole azo dyes)
IT 6373-93-9 9003-01-4 25087-26-7 25751-21-7
RL: MOA (Modifier or additive use); USES (Uses)
(inks, **indicators** for **sterilization** by ethylene oxide)
IT 75-21-8, biological studies **25322-68-3**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(**sterilization** by, **indicator** inks for)

L8 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN
All Fields References
TI **Sterilization** by gases at low temperature
TI **Sterilization** by gases at low temperature
AB Materials such as surgical catheters, syringes, etc., may be **sterilized** by using gases such as HCHO [50-00-0] or ethylene oxide [75-21-8] at low temps. The gas is obtained by evapn.. . . and 73.7% water. At 60° the gaseous phase had 9.8 mg/L HCHO and the humidity was 90%. The capacity of **sterilization** of the gas was tested by using spores of Bacillus subtilis as the biol. **indicators**. The no. of spores after a 30 min **sterilization** of a polyethylene material (contg. 8 × 105.6 spores) was 16. An app. for generation of the gas is described.
ST **sterilization** surgical good gas; formaldehyde **sterilization** surgical good; ethylene oxide **sterilization** surgical good
IT **Sterilization** and Disinfection
(by ethylene oxide or formaldehyde, of surgical goods)
IT Surgical dressings and goods
(**sterilization** of, ethylene oxide or formaldehyde for)
IT Alcohols, biological studies
RL: BIOL (Biological study)
(polyhydric, **sterilization** of surgical goods by formaldehyde in solns. of)
IT 50-00-0, biological studies 75-21-8, biological studies
RL: BIOL (Biological study)
(**sterilization** by, of surgical goods)
IT 56-81-5, biological studies 57-55-6, biological studies 67-56-1, biological studies 107-21-1, biological studies **25322-68-3**
RL: BIOL (Biological study)
(**sterilization** of surgical goods by formaldehyde in solns. of)

L8 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN
All Fields References
TI Ethylene oxide **sterilization indicator**
TI Ethylene oxide **sterilization indicator**
AB A monitoring device for use in ethylene oxide (I) [75-21-8] **sterilizing** systems consisting of an envelope contg. an **indicator** coated with a dye, which besides showing a color change on completion of the **sterilization** cycle also indicates the completion of the subsequent aeration cycle. E.g., filter paper was impregnated with a mixt. of polyethylene glycol 200 [**25322-68-3**] 40-60, polyethylene glycol 400 40-60, 4-(p-nitrobenzyl)pyridine [1083-48-3] 1-2.5, thiourea [62-56-6] 1-1.5, and

water 2-3 g and placed in a packaging envelope with a transparent front and gas penetrable back. The **indicator** turns from white to violet when ethylene oxide **sterilization** is complete and from violet to gray and then gray green when aeration is complete.

ST ethylene oxide **sterilization indicator**; nitrobenzylpyridine ethylene oxide **indicator**; pyridine nitrobenzyl ethylene oxide **indicator**

IT **Sterilization** and Disinfection
(by ethylene oxide, **indicator** for)

IT 1083-48-3 **25322-68-3** 62-56-6, uses and miscellaneous
RL: BIOL (Biological study)
(in **sterilization indicator**, for ethylene oxide)

IT 75-21-8, biological studies
RL: BIOL (Biological study)
(**sterilization indicator** for)

L8 ANSWER 25 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

CAPLUS Referenced

TI Radiation dosimeters

AB A soln. contg. an acid-base **indicator** and a base such as H2O, EtOH, or ethylene glycol in a medium such as a low-mol.-wt. aliphatic alc., which. . . vinylidene chloride, which liberates an acid when exposed to radiation, to give a dosimeter which can be used in radiation **sterilization**. Thus, a soln. is prepd. from 1 g. methyl orange, 850 ml. Me2CO, and 150 ml. H2O, poly(vinyl chloride), thickness. . . dried at room temp. and cut to give yellow placards. The placards are placed on objects which are to be **sterilized** with radiation from Co60, the placards and the object are exposed to approx. 2.5 Mrad, and the color of the. . .

IT **Indicators** (for titration)
(acid-base, polymers releasing acid by radiation contg., dosimeters from)

IT Dosimeters
(from acid-base **indicator** and acid-releasing polymer)

IT 9002-85-1, Ethylene, 1,1-dichloro-, homopolymer 9002-86-2, Ethylene, chloro-, homopolymer
(radiation dosimeter from acid-base **indicator** and)

IT 64-17-5, Ethyl alcohol
(radiation dosimeter from acid-base **indicators**, polymers and)

IT 67-64-1, Acetone **107-21-1**, Ethylene glycol 628-63-7, Pentyl acetate 7732-18-5, Water
(radiation dosimeter from polymer, acid-base **indicator** and)

=> d 21, 22, 24 ibib

L8 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text CAPLUS Referenced

ACCESSION NUMBER: 1986:444950 CAPLUS
DOCUMENT NUMBER: 105:44950
ORIGINAL REFERENCE NO.: 105:7425a,7428a
TITLE: **Indicator** inks for **sterilization** by ethylene oxide
INVENTOR(S): Yamamoto, Masashi
PATENT ASSIGNEE(S): Sakura Color Products Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 60243173	A	19851203	JP 1984-99292	19840516
PRIORITY APPLN. INFO.:			JP 1984-99292	19840516

L8 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Info. References

ACCESSION NUMBER: 1983:600576 CAPLUS
DOCUMENT NUMBER: 99:200576
ORIGINAL REFERENCE NO.: 99:30794h,30795a
TITLE: **Sterilization** by gases at low temperature
INVENTOR(S): Hennebert, Pierre; Gillard, Jean; Roland, Michel
PATENT ASSIGNEE(S): Belg.
SOURCE: Belg., 18 pp.
CODEN: BEXXAL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 895729	A1	19830728	BE 1983-209987	19830128
US 4637916	A	19870120	US 1984-571765	19840118
IL 70768	A	19880331	IL 1984-70768	19840124
DK 8400366	A	19840729	DK 1984-366	19840126
FI 8400348	A	19840729	FI 1984-348	19840127
NO 8400325	A	19840730	NO 1984-325	19840127
NO 157284	B	19871116		
NO 157284	C	19880224		
JP 59224639	A	19841217	JP 1984-14180	19840127
AT 20310	T	19860615	AT 1984-870011	19840127
AU 559036	B2	19870219	AU 1984-23845	19840127
CA 1232424	A1	19880209	CA 1984-446178	19840127
EP 117860	A1	19840905	EP 1984-870011	19840905
EP 117860	B1	19860611		
EP 117860	B2	19890531		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4764351	A	19880816	US 1984-675169	19841127
PRIORITY APPLN. INFO.:			BE 1983-895729	19830128
			BE 1983-209987 A	19830128
			US 1984-571765 A3	19840118
			EP 1984-870011 A	19840127

OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

L8 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text | Citing References

ACCESSION NUMBER: 1977:47301 CAPLUS
DOCUMENT NUMBER: 86:47301
ORIGINAL REFERENCE NO.: 86:7500h,7501a
TITLE: Ethylene oxide **sterilization indicator**
INVENTOR(S): Whitbourne, James E.; Eastman, Carolyn A.
PATENT ASSIGNEE(S): Sybron Corp., USA
SOURCE: U.S., 4 pp.
CODEN: USXXAM

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DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     US 3992154            A     19761116    US 1975-643189          19751222
     CA 1073327            A1    19800311    CA 1976-263986          19761022
     AU 7620616            A     19780622    AU 1976-20616           19761216
     AU 498337             B2    19790301
PRIORITY APPLN. INFO.:                       US 1975-643189      A   19751222
OS.CITING REF COUNT:      4     THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD
                                (4 CITINGS)


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     (FILE 'HOME' ENTERED AT 12:47:31 ON 30 AUG 2009)

     FILE 'REGISTRY' ENTERED AT 12:47:56 ON 30 AUG 2009
                E ETHYLENE GLYCOL/CN
L1              1 S E3
                E DIETHYLENE GLYCOL/CN
L2              1 S E3
                E POLYETHYLENE GLYCOL/CN
L3              1 S E3
                E PROPYLENE GLYCOL/CN
L4              1 S L3
                E DIPROPYLENE GLYCOL/CN
L5              1 S E3

     FILE 'CAPLUS' ENTERED AT 12:49:18 ON 30 AUG 2009
L6         182585 S L1 OR L2 OR L3 OR L4 OR L5
L7           1331 S L6 AND STERIL?
L8             25 S L7 AND INDICATOR

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